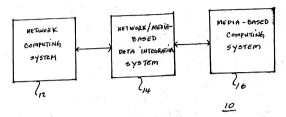
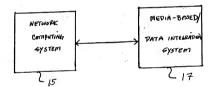
Title. "Method and System For Remote Television Replay" pilication No. Not Yet Assigned ventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 1 of 37

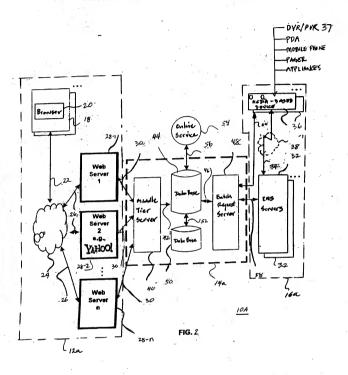


F16. 1A



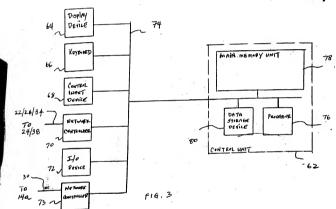
19

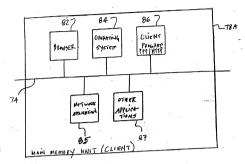
F14.18



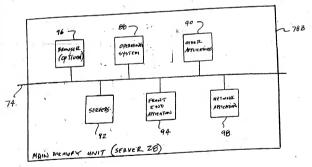
Title: "Wethod and System For Remote Television Replay" cation No: Not Yet Assigned intors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Shed 3 of 37

18/28/40/32/48/36

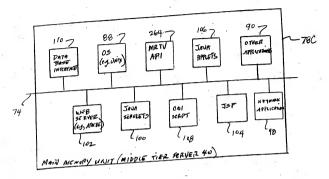




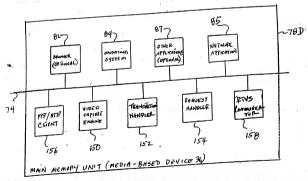
F14. 4A



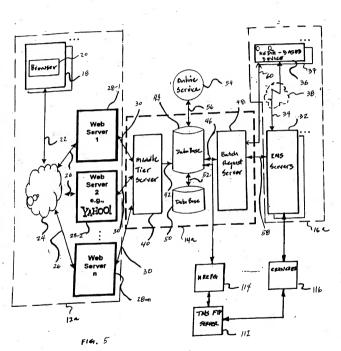
F16.4B



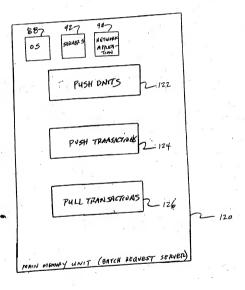
F16.4C



F16.4D



Title: "Method and System For Remote Television Replay" fection No: Not Yot Assigned ntors: Millard E. Sweatt, III, et al. Atty, Docket No.: 22407-05391; Case 5391 US Sheat 7 of 37



F14.6

LOSOSO, COLESCEQ

Title: "Method and System For Remote Television Replay" (Incation No.: Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Atty, Docket No.: 22407-05391; Case 5391 US Sheet 8 of 37

MYRTV_USER

User_id

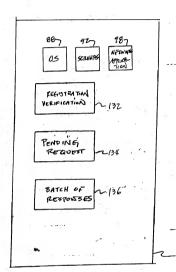
Login
Password
Customer_Login
Created (date)
Enabled (Y/N)

MYRTV_UNIT

Unit_id
SerialNumber
User_id (FK)
Lastupdate (dist)
Created (date)
Enabled (Y/N)

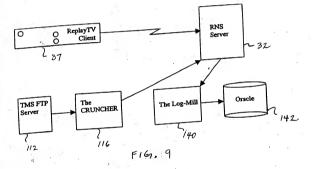
FIG.

Title: "Method and System For Remote Television Replay" Application No. Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 9 of 37

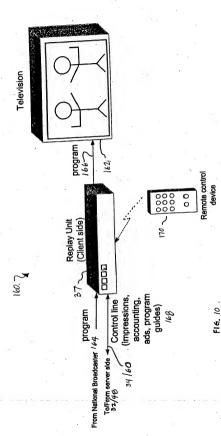


F16.8

Title: 'Method and System For Remote Television Replay' pplication No.: Not Yet Assigned inventors: Millard E. Sweatt, Ill, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 10 of 37



Title: "Method and System For Remote Television Replay" cation No.: Not Yet Assigned htors: Millard E. Sweatt, III, et al. AVID Docket No.: 22407-05391; Case 5391 US Sheet 11 of 37



Title: "Method and System For Remote Television Replay" Application No.: Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 12 of 37

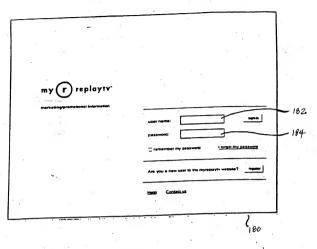


FIG. 11

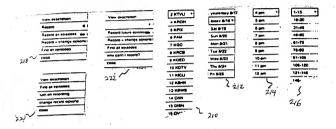
Title: "Mothod and System For Remote Television Replay" Application No: Not Yet Assigned Inventors: Millard E. Sweatt, Ill, et al. Atty, Docket No.: 22407-05391; Case 5391 US Sheet 13 of 12

ē		f Channel	Guide Repfity Ch	and a china anima	Wegual Record	
Ľ	The sale of the second	S. S				
	hannel	Guide		The state of the s	10 miles	9
	196	1962 197 3 Cit. 117 Troday 03/06 1 C . 1 6 pm	foday 03/06 E	9 -	O O OXYGEN IN ISO	
Ĕ	Tue 3/06	## 194 6:00 PM	6:30 PM	7:00 PM 146 148	7:30 PM	202
Z	TO OXYGEN	An Officer and a Gentleman	tleman			
ı _	1 IN1	Me, Myself & Irene		Scary Movie		
^,	2 KTVU	6 O'Clock Ne	Spin City	Seinfeid	Spin City	
+	3 LOOR003	Local Origination		Local Origination		,
	4 KRON	NewsCenter 4 at 6		Frasier	Entertainmen	
ъв.	, 5 KPIX	CBS News	Channel 5 Ey	Evening Maga	Hollywood Sq	٠
•	6 KICU	Home Improve	The Nanny	Family Feud	Family Feud	
	7 KG0	ABC 7 News at 6PM		Jeopardy!	Wheel of For	
	8 KTSF	TV Patrol	Ballta	Little Saigo	Mandarin New	
	9 KQED	Zoboomafoo	Nightly Busi	The NewsHour With Jim Le	h Jim Le	
	10 KTEH	BBC World Ne	French Fleid	Antiques Roa	Eastenders	
	11 TVG0S	TV Guide		TV Guide		
208	12 KBHK	The Simpsons	3rd Rock Fro	Friends	The Drew Car	
شر	13 KBWB	The Drew Car	Divorce Cour	power of Att		
Ĭ	TA KDTV	Noticias 14	Noticiero Un	Carita de Angei	STERLING TO SERVICE STREET	ので

CORVIGIL POLICY | Terms And Conditions | PILVACY Policy | FAQ

LOSOSO, POISSPPOL

Title: "Method and System For Remote Television Replay plication No: Not Yet Assigned enventors: Millard E, Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 14 of 37



FI 4. 12B

Title: "Method and System For Remote Television Replay" pplication No.: Not Yet Assigned ventors: Millard E. Sweatt, III, et al. Atty, Docket No.: 22407-05391; Case 5391 US Sheet 15 of 37

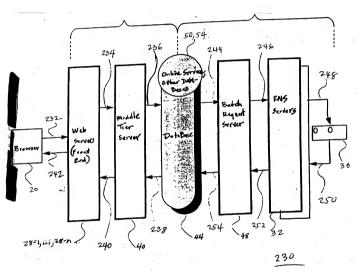


FIG. 13 A

SEQUENCE DIAGRAM

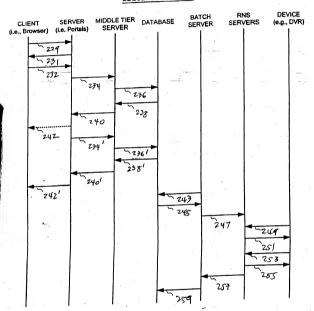


FIG. 13B

Title: "Method and System For Remote Television Replay" 'ication No: Not Yet Assigned stors: Millard E. Sweatt, III, et al. Arty. Docket No.: 22407-05391; Case 5391 US Sheet 17 of 37

API Routine	Function					
API ROULING	ter a new user based on the information received					
CreateAccount	Creates an account for a new cook and username and password					
Login	urns the profile of the user and his units based on his usering the arequest to the unit's list of pending requests based on a set of request amelers, and relurns the full status of the unit and of the pending requests, uding those for recording specified show(s) and deleting recorded show(s) ete a request from the user list of pending requests urns the Replay Guide of the unit as saved in the appropriate database for the crified unit urns the channel lineup of the unit based on the unit's settings is the user changes his password urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the settings of urns the current electronic program guide for the unit based on the setting of urns the current electronic program guide f					
Login						
	Returns the profile of the user and his units based of his deem					
GetProfile						
AddRequest	parameters, and returns the full status of the till and deleting recorded show(s)					
DeleteRequest	parameters, and returns the full status of the control including those for recording specified show(s) and deleting recorded show(s) to be requested to the request					
GetRenlavGuide	Returns the Replay Guide of the drift as sold a					
Gen ropies	specified unit					
C. (Channell inella	Returns the channel lineup of the unit based on the unit's settings					
ChangePassword	Returns the channel lineup of the unit based on the unit's settings Lets the user changes his password Returns the current electronic program guide for the unit based on the sett					
GetEPG						
	the unit					
ShowGuide	the unit. Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters					

Title: "Method and System For Remote Television Replay" (Ication No.: Not Yet Assigned htors: Millard E. Sweatt, III, et al. My. Docket No.: 22407-05391; Case 5391 US Sheet 18 of 37

API Routine	Input Parameters	Output Files (Corresponding XML elements)
CreateAccount	firstname, lastname, address1, address2, dly, state, zlpcode, ACCOUNT.XM serlahrumber, login, bassword, creator	ACCOUNT.XML REPLAYERROR.XML
ngin	login, pessword	ACCOUNT.XML REPLAYERROR.XML
GetProfile	userld	PROFILE,XML (USERINFO, UNITINFO-I) REPLAYERROR,XML
AddRequest	userid, untild, redype(none, show, theme, update) UNITSTATUS.XAIL (UNITINFO, REQUESTSTATUS.I) UNITSTATUS.XAIL (UNITINFO, REQUESTSTATUS.I) UNITSTATUS.XAIL (UNITINFO, REQUESTSTATUS.I) INDINIA manial hardward in cont. double definement name in Vivine REQUESTSTATUS.	UNITSTATUS.XML (UNITINFO, REQUESTSTATUS-I) REPLAYERROR.XML 'Nole REO IESTSTATIS Result:=(PENDING, SENT,
	mondar appear), reacertator, tristo, textoc, seaturingum, rest duration/minites, houtsource, quelity, gueranteedrecord, enapsiodes, weekdayflegs, earlystartminites, showguerminutes	SUCCESS, GENERAL FAILURE, SCHEDULEFAILURE, ROOMFAILURE)
	izatyna=itama: seerchiem; seerchilage, suzukild, duratonimiulas, quality, guaranteedracord angunasundate; updatelyngefeleleschow, preservestow, deletechannel, chammid, ahnwif	*
DeleteRequast	userid, unitid, requestid	DELETERESULT.XML REPLAYERROR.XML
GatReplayGuida	userld, untild	GUIDE.XML (REPLAYCHANNEL-I) REPLAYERROR.XML
		Note: REPLAYCHANNEL TYPE:=(SINGLE, SINGELMANUAL, REPEAT, REPEATMANUAL, THEME, THEMEEXACT, ZONE)
GetChannelLineUp	userid, unltid	CHANNELLINEUP.XML (CHANNEL-I) REPLAYERROR.XML
ChangePassword	userid, currentpassword, newpassword	ACCOUNT XML REPLAYERROR XML
GetEPG	userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount	
ShowGuide	userid, unitid, queny, start, count, levelofdstell "Note: queny keywords include actor, advisory, desc, moserating, title, etc.	XML file based on Ngulde.did & Ivprograms.did

Title "Method and System For Remote Television Replay" Application No. Not Yet Al-Saigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 19 of 37

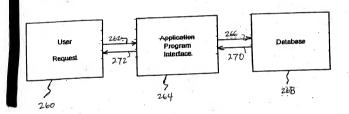
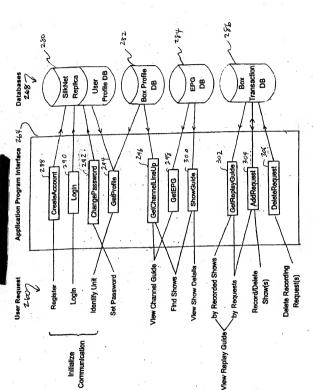


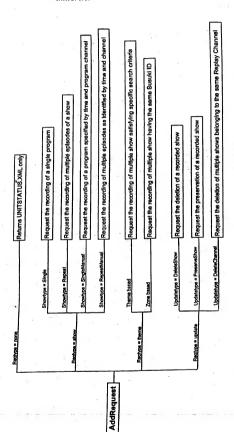
FIG. 16A

Title: "Method and System For Remote Television Replay" Application No.: Not Yot Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 20 of 37



16, 16B

Title: "Method and System For Remote Television Replay" pilcation No: Not Yet Assigned entors: Millard E. Sweatt, Ill, et al. Atty. Docket No:: 22407-05391; Case 5391 US Sheet 21 of 31



IG. 17

Title: "Method and System For Remote Television Replay" Application No. Not Yet Assigned Inventors: Millard E. Sweatt, Ill, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 22 of 37

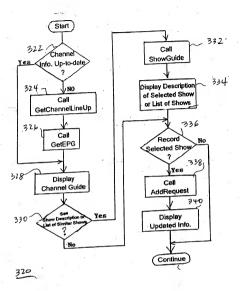


FIG. 18

Nothing else is scheduled to record.

Roplay Guide | Find Slide

Reguest 02/18 Date occurring every (Sun, Mon, Tue, Wed, Thu, Fri, Sat) on Channel 8(KTSF) at or around 8:00PM - 9:00PM. Guaranteed continuously record the 1 most current This single record Replay channel was from Channel 49(AMC) on Tue, 01/09 from Channel 21(TBS) on Sun, 02/18 at around 9:00PM - 11:30PM. Guaranteed Channel 42(USAP) on Tue, 01/16 at or scheduled to record A Fistful of Dollars This single record Replay channel was scheduled to record Blown Away from scheduled to record Captain January This show-based Replay channel will at EXTENDED quality. Nothing else is This single record Replay channel was Guaranteed at EXTENDED quality. Nothing else is scheduled to record. Guaranteed at EXTENDED quality. at or around 3:30AM - 5:00AM. episode(s) of Cantonese News three and soffly your attaches set negativity, the thirty it ingenteed or around 7:00AM - 9:00AM. at EXTENDED quality... scheduled to record. Replay Brows | Replay Changle | Details A Fistful of Dollars Captain January Cantonese News Dolfree Subseted Chan rele Blown Away Channel

Title: "Method and System For Remote Television Replay" lication No.: Not Yet Assigned Intors: Millard E. Sweatt, III, et al. Att. Docket No.: 22407-05391; Case 5391 US Sheet 23 of 37

Title: "Method and System For Remote Television Replay plication No.: Not Yet Assigned entors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 24 of 37

Echaniei Guide | Repla V Guide | Topia | Replay Channie | Weight

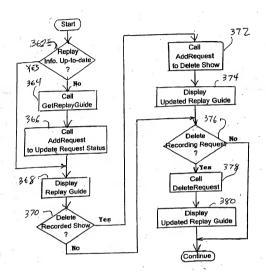
Manhow sink and oversolven as and in your depty to unic

Commission of the Control of the Con

	•						
Channel	Show Title/	Show Title/Episode	Date/Time	Station	Duration	Size	
Fistful of Jolians	□	A Fistful of Dollars	02/18 7:00AM	21 TBS	(12)	6,46%	100
Blown Away	Ŀ	Blown Away	01/16 9:00PM	42 USAP	(2h 30m)	8.07%	
Captain January	ᆫ	Captain January	01/09 3:30AM	49 AMC	(1h 30m)	4.84%	
Firewalker	L	Firewalker	02/27 8:00PM	21 TBS	. (2h)	6.46%	
On Deadly Ground	, L	On Deadly Ground	01/07 9:00PM	4 KRON	(Zh)	6.46%	
Platoon		Platoon	02/04 8:00PM	37 TINTP	(2h 30m)	8.07%	
The Bridge on the River Kwal	Ľ	The Bridge on the River Kwai	12/24 B:00AM	42 USAP	(3h 30m)	11.30%	
The Little Princess	D	The Little Princess	12/26 4:15AM	49 AMC	(1h 45m)	5.65%	
The Trouble With Harry	L L	The Trouble With Harry	12/18 1:05PM	49 AMC	(1h SSm)	6.19%	
Welcome to ReplayTV		C. Welcome to ReplayTV	09/08 10:49AM		(15m)	2.42%	

G. 19 B

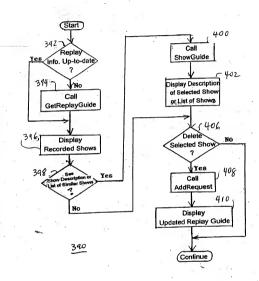
Title: 'Method and System For Remote Television Replay' blication No: Not Yet Assigned entors: Millard E. Sweatt, ill, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 25 of 37



360

FIG. 20

Title: "Method and System For Remote Television Replay" Application No. Not Yot Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Shed 26 of 3f



. FIG. 21

Title: "Method and System For Remote Television Replay" pplication No.: Not Yet Assigned ventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 27 of 37

Shows | Martual Recent

☐ Actors Find Show

in these estegories:

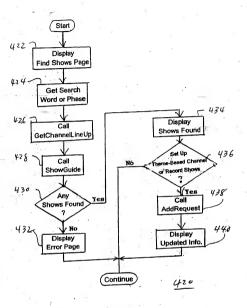
Find:

Show Titles Descriptions

Enter the word or phrase that you wish to find.

CODYTIGIT POLICY | Terms And Conditions | Privacy Policy | FAQ

Title: "Method and System For Remote Television Replay" Application No.: Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 28 of 37



PIG. 23

Title: "Method and System For Remote Television Replay" Application No: Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 29 of 37

Recording duration: Mar 7 2001 - AM AM E Extended 0 OXYGEN Yes Guaranteed Start Time Start Date **End Time**

Channel Quality Copyright Policy | Terms And Conditions | Privacy Policy | FAQ

FIG. 14A

Title: "Method and System For Remote Television Replay" pplication No.: Not Yet Assigned yventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 30 of 31

		*		Replay Guide		preferences help logous
ny (P ropinyty	Channel Guide	Find Shows	Manual Record	3h 45m available at med	ium quality	
Manual	Record			as of last connection		
Single Recording	Repeat Recording			,	. 0	-
Days	☐ Mon ☑ Tue	□ wed □ T		Sel		
Start Time	7 : 58 PM	•	End Time	11: 02 PM V		8
Channel	4 KRON ▼			-		
Quality	Standard 🔻					
Guaranteed	Yes ¥				9	
Subject Police						
					-	

FIG. 24 B

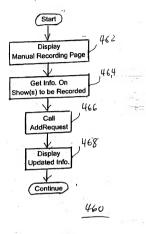


Fig. 25

Title: "Method and System For Remote Television Replay" ication No: Not Yet Assigned Intors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 32 of 31

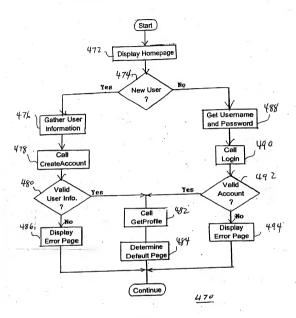


FIG. 26

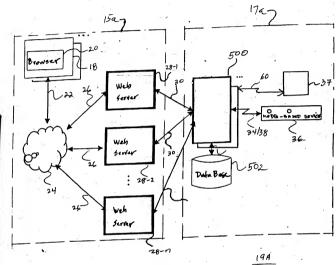
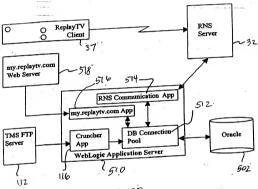


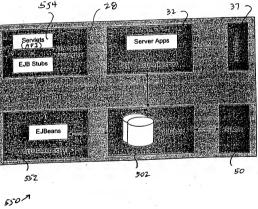
FIG. 27

Title: "Method and System For Remote Television Replay" Application No.: Not Yet Assigned hventors: Milliard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 34 of 31

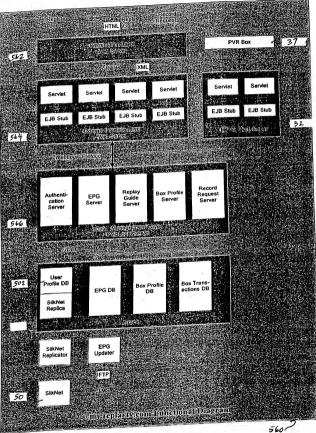


F16, 28

Title: "Method and System For Remote Television Replay" application No.: Not Yet Assigned inventors: Millard E. Sweatt, III, et al. Atty. Docket No.: 22407-05391; Case 5391 US Sheet 35 of 37



F19.29



Title: "Method and System For Remote Television Replay" Application No.: Not Yet Assigned Inventors: Millard E. Sweatt, III, et al. Aty. Docket No.: 22407-05391; Case 5391 US eet 37 of 31

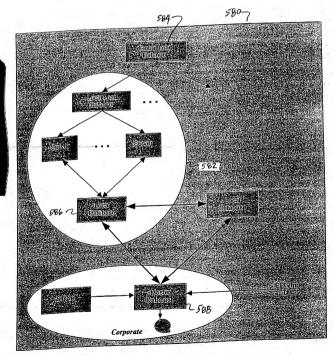


FIG. 31